

## **WJW Goes “LIVE” with a full ATSC 3.0 solution from Hitachi Kokusai Electric Comark**

CLEVELAND, OH, November 28, 2018 – Hitachi Kokusai Electric Comark LLC (hereinafter “COMARK”), a manufacturer and supplier of DTV transmitters, encoding systems, and associated field services for over 45 years, has announced that the National Association of Broadcasters (NAB) and the Consumer Technology Association (CTA) have deployed COMARK’s fully integrated ATSC 3.0 solution at WJW in Cleveland, OH.

Under an experimental broadcast license from the FCC, WJW-TV, the terrestrial station located in Cleveland and owned by Tribune Broadcasting has been used by NAB and CTA to conduct field testing for ATSC 3.0. Comark Digital Services (CDS) delivered, installed, and activated a fully integrated ATSC 3.0 demo system at the WJW DTV facility. The entire setup was integrated at the CDS lab in Southwick, MA and shipped to the facility in a short portable "fly-pack" equipment rack.

With the setup now complete, the CDS ATSC 3.0 integrated demo system can currently deliver crystal clear UHD content at WJW-TV with our TITAN Live software based encoding solution. In addition to the HEVC encoding, the ATSC 3.0 system includes a ROUTE encoder, an Enensys Broadcast Gateway, a Triveni GuideBuilder, an EXACT-V2 DTV exciter as well as ATSC 3.0 test and monitoring equipment. The CDS demo system is being used to drive the existing COMARK DCX-3H, a 3-tube IOT based transmitter that is operating on DTV channel 31. This transmitter was originally deployed in the field in 1999 and is still being supported by COMARK and its customer service team.

“Having already provided ATSC 3.0 solutions to Dish Networks, the OneMedia Dallas SFN, and PBS member station WKAR, CDS has been set up with the experience and integration capability just for these types of projects,” says Dick Fiore, President and CEO of Hitachi Kokusai Electric Comark, LLC. “Our team worked very closely with the staff at NAB to provide the right solution and we are extremely pleased to be part of this very important over-the-air field trial of next generation broadcast television services.”

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***About Hitachi Kokusai Electric Comark LLC:***

For over 45 years COMARK has been synonymous with broadcast expertise and innovation. A trusted partner to the world's leading broadcasters, COMARK has pioneered many developments that have shaped the industry, leading innovation in IOT & MSDC-IOT technology, transistorized solid-state technology, Digital Adaptive Pre-correction (DAP), and also winning multiple Emmy® Awards; and gaining numerous patents in technologies that have become fundamental to broadcasting. COMARK is now building on this great heritage with the release of an entirely new range of transmission products for terrestrial television broadcasting, and state-of-the-art products for scientific/industrial RF applications. With thousands of active COMARK transmission systems deployed worldwide and a global support presence, COMARK plans to continue to develop technologies for the future, with efficient performance initiatives that improve coverage and save power.

Information about products from Hitachi-Comark  
is available at [www.comarktv.com](http://www.comarktv.com).

Contact:  
Joseph Turbolski  
VP of Sales & Marketing  
Tel: +1 413 998 1100  
Email: [jturbolski@comarktv.com](mailto:jturbolski@comarktv.com)